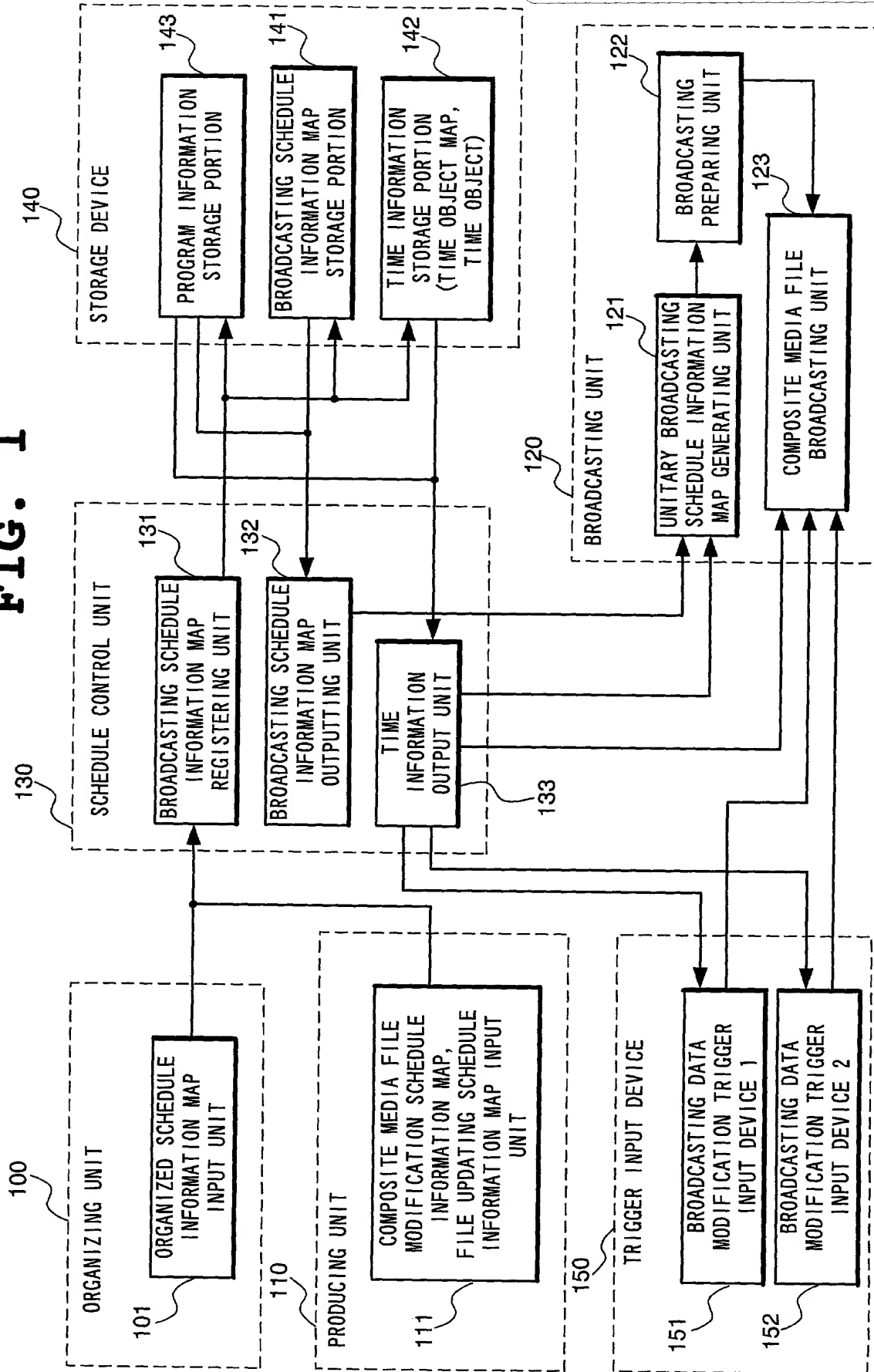
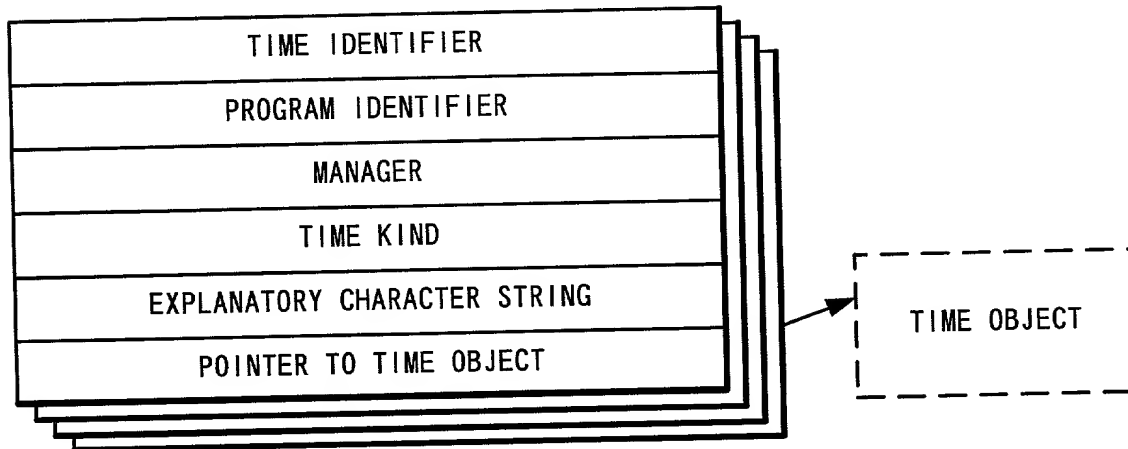


FIG. 1



**FIG. 2**

EACH ENTRY OF TIME OBJECT MAP

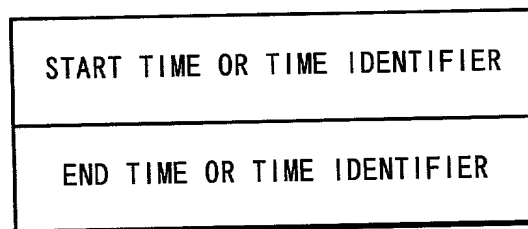
**FIG. 3**

TIME FIXED TYPE OBJECT



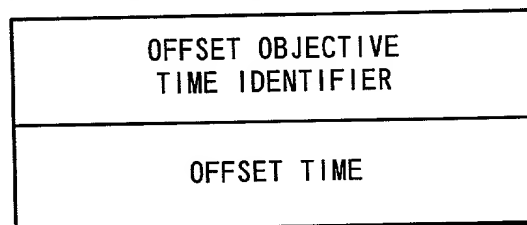
(b-1)

RANGE DESIGNATION TYPE TIME OBJECT



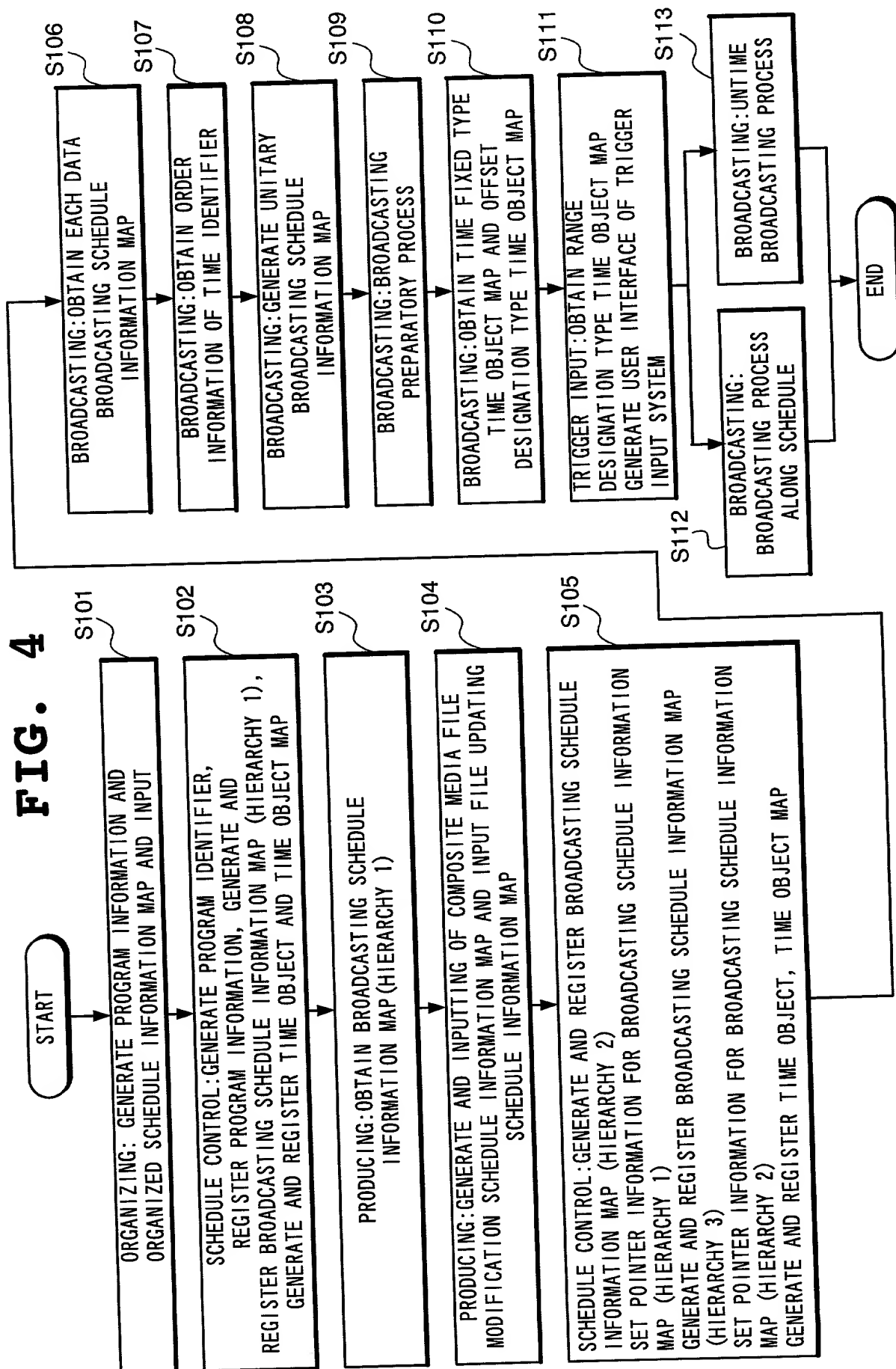
(b-2)

OFFSET DESIGNATION TYPE TIME OBJECT



(b-3)

FIG. 4



**FIG. 5**

## PROGRAM INFORMATION

BROADCASTING STATION IDENTIFIER
PROGRAM START TIME
PROGRAM END TIME
PROGRAM TITLE
AUXILIARY INFORMATION

**FIG. 6**

## ORGANIZED SCHEDULE INFORMATION MAP

BROADCASTING START TIMING	CONTINUING TIME	IDENTIFICATION NUMBER	KIND	UNT TIME	TITLE	EXPLANATORY CHARACTER STRING
00/01/22 07:00:00	00:15:00	0100-0001	PROGRAM	FIXED	QUIZ ABC	NO
00/01/22 07:15:00	00:00:20	0200-0323	CM	INSERT (1)	IROHA COSMETICS	CM (IROHA AND SO ON)
00/01/22 07:15:20	00:00:20	0200-0324	CM	OFFSET	AIU MOTORS	NO
00/01/22 07:15:40	00:00:20	0200-0325	CM	OFFSET	XYZ FOODS	NO
00/01/22 07:16:00	00:39:00	0100-0002	PROGRAM	FIXED	QUIZ ABC-2	NO
00/01/22 07:55:00	00:05:00	0100-0024	PROGRAM	FIXED	WEATHER REPORT	NO

FIG. 7

PROGRAM INFORMATION STORED IN PROGRAM INFORMATION  
STORAGE PORTION

PROGRAM IDENTIFIER	33
BROADCASTING STATION IDENTIFIER	8
PROGRAM START TIME	00/01/22 07:00:00
PROGRAM END TIME	00/01/22 08:00:00
PROGRAM TITLE	QUIZ ABC
AUXILIARY INFORMATION	HOST:○○ GUEST:□□

**FIG. 8**

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 1) STORED  
IN BROADCASTING SCHEDULE INFORMATION MAP STORAGE PORTION

PROGRAM IDENTIFIER	BROADCASTING START TIME (TIME IDENTIFIER)	CONTINUING TIME	IDENTIFICATION NUMBER	KIND	TITLE	POINTER TO LOWER INFORMATION MAP
33	Q-START	00:15:00	0100-0001	PROGRAM	QUIZ ABC	
33	CM-IROHA	00:00:20	0200-0323	CM	IROHA COSMETRICS	
33	CM-AIU	00:00:20	0200-0324	CM	AIU MOTORS	
33	CM-XYZ	00:00:20	0200-0325	CM	XYZ FOODS	
33	Q-Q2A	00:39:00	0100-0002	PROGRAM	QUIZ ABC-2	
33	WEATHER	00:05:00	0100-0024	PROGRAM	WEATHER REPORT	

FIG. 9

TIME FIXED TYPE TIME OBJECT

PROGRAM RELATIVE TIME
00:00:00

RANGE DESIGNATION  
TYPE TIME OBJECT

START - END TIME
00:14:50 - 00:15:10

OFFSET DESIGNATION TYPE  
TIME OBJECT

OFFSET OBJECTIVE TIME IDENTIFIER
CM-1ROHA 00:00:20

OFFSET OBJECTIVE TIME IDENTIFIER
CM-1ROHA 00:00:40

PROGRAM RELATIVE TIME
00:16:00

PROGRAM RELATIVE TIME
00:55:00

TIME OBJECT MAP IS STORED IN TIME INFORMATION STORAGE PORTION

PROGRAM IDENTIFIER	TIME IDENTIFIER	MANAGER	KIND	EXPLANATORY CHARACTER STRING	POINTER TO TIME OBJECT
33	Q-START	ORGANIZING	FIXED	NO	●
33	CM-1ROHA	ORGANIZING	INSERT(1)	CM (1ROHA AND SO ON)	●
33	CM-AIU	ORGANIZING	OFFSET	NO	●
33	CM-XYZ	ORGANIZING	OFFSET	NO	●
33	Q-Q2A	ORGANIZING	FIXED	NO	●
33	WEATHER	ORGANIZING	FIXED	NO	●

**FIG. 10**

COMPOSITE MEDIA FILE MODIFICATION SCHEDULE INFORMATION MAP CORRESPONDING  
TO SCHEDULE INFORMATION OF TIME IDENTIFIER "Q-START"

BROADCASTING START TIME	CONTINUING TIME	PRODUCING IDENTIFICATION NUMBER	UNT TIME	COMPOSITE MEDIA FILE NAME	EXPLANATORY CHARACTER STRING	COMPONENT FILE LIST
00:00:00	00:01:00	0300-0001	FIXED	opening	NO	startup.html, open.jpg, title.txt
00:01:00	00:04:00	0300-0002	FIXED	introduction	NO	startup.html, intro.wav, name.txt
00:05:00	00:05:00	0300-0003	INSERT (2)	Q1-question	Q1: QUESTION	startup.html, back.jpg, button.jpg, button2.jpg
00:10:00	00:03:00	0300-0004	INSERT (2)	Q1-answer	Q1: ANSWER	startup.html, back2.jpg, answer.txt
00:13:00	00:02:00	0300-0005	INSERT (2)	Q2-question	Q2: QUESTION	startup.html, back2.jpg, button.jpg, button2.jpg

## FIG. 11

FILE UPDATING SCHEDULE INFORMATION MAP OF startup.html

BROADCASTING START TIMING	UNTIME	EXPLANATORY CHARACTER STRING	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	NO	URI://cserver/ch01/ev03/01/startup.html

## FIG. 12

FILE UPDATING SCHEDULE INFORMATION MAP OF back.jpg

BROADCASTING START TIMING	UNTIME	EXPLANATORY CHARACTER STRING	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	NO	URI://cserver/ch01/ev03/01/back.jpg
00:02:00	FIXED	NO	URI://cserver/ch01/ev03/03/back.jpg

## FIG. 13

FILE UPDATING SCHEDULE INFORMATION MAP OF button.jpg

BROADCASTING START TIMING	UNTIME	EXPLANATORY CHARACTER STRING	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	NO	URI://cserver/ch01/ev03/01/button.jpg
00:01:00	INSERT (2)	BUTTON CHANGE	URI://cserver/ch01/ev03/02/button.jpg

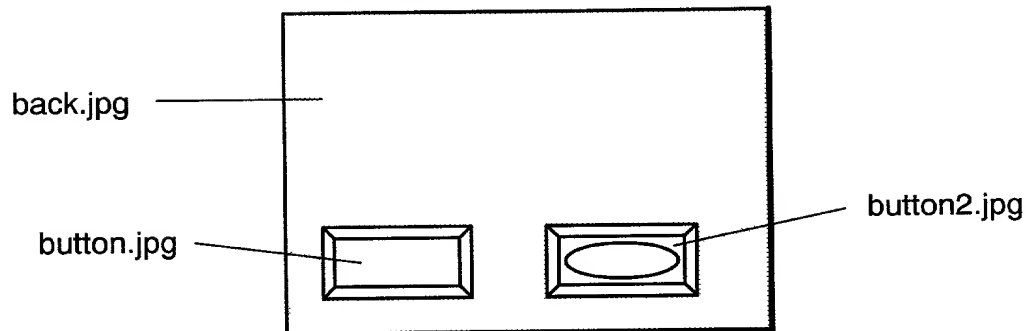
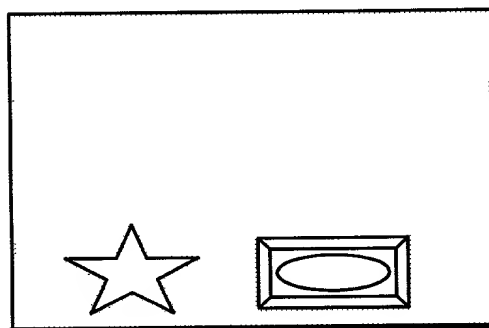
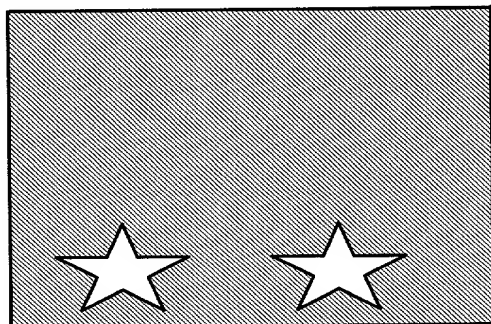
## FIG. 14

FILE UPDATING SCHEDULE INFORMATION MAP OF button2.jpg

BROADCASTING START TIMING	UNTIME	EXPLANATORY CHARACTER STRING	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	NO	URI://cserver/ch01/ev03/01/button2.jpg
00:02:00	FIXED	NO	URI://cserver/ch01/ev03/03/button2.jpg

**FIG. 15**

00:00:00 START CONDITION

**FIG. 16**00:01:00 UPDATING OF  
BUTTON IMAGE (button.jpg)**FIG. 17**00:02:00 UPDATING OF BACKGROUND  
AND BUTTON (back.jpg AND button2.jpg)

**FIG. 18**

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 2)  
REGISTERED CORRESPONDING TO Fig. 10

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	PRODUCTION IDENTIFICATION NUMBER	COMPOSITE FILE NAME	COMPONENT FILE NAME LIST	POINTER TO LOWER SCHEDULE INFORMATION MAP
33	Q-START	0300-0001	opening	startup.html	●
				open.jpg	●
				title.txt	●
33	Q-INTRO	0300-0002	introduction	startup.html	●
				intro.wav	●
				name.txt	●
				startup.html	●
33	Q-Q1Q	0300-0003	Q1-question	startup.html	●
				back.jpg	●
				button.jpg	●
				button2.jpg	●
33	Q-Q1A	0300-0004	Q1-answer	startup.html	●
				back2.jpg	●
				answer.txt	●
33	Q-Q2Q	0300-0005	Q2-question	startup.html	●
				back2.jpg	●
				button.jpg	●
				button2.jpg	●

**FIG. 19**

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 1) STORED IN  
BROADCASTING SCHEDULE INFORMATION MAP STORAGE PORTION

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	CONTINUING TIME	IDENTIFICATION NUMBER	KIND	TITLE	POINTER TO LOWER SCHEDULE INFORMATION MAP
33	Q-START	00:15:00	0100-0001	PROGRAM	QUIZ ABC	● SCHEDULE INFORMATION MAP OF Fig. 18
33	CM-IROHA	00:00:20	0200-0323	CM	IROHA COSMETICS	● SCHEDULE INFORMATION MAP OF Fig. 18
33	CM-AIU	00:00:20	0200-0324	CM	AIU MOTORS	● ...
33	CM-XYZ	00:00:20	0200-0325	CM	XYZ FOODS	● ...
33	Q-Q2A	00:39:00	0100-0002	PROGRAM	QUIZ ABC-2	● ...
33	WEATHER	00:05:00	0100-0024	PROGRAM	WEATHER REPORT	● ...

## FIG. 20

DATA BROADCASTING SCHEDULE INFORMATION MAP  
 CORRESPONDING TO Fig. 11(HIERARCHY 3)

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/startup.html

## FIG. 21

DATA BROADCASTING SCHEDULE INFORMATION MAP  
 CORRESPONDING TO Fig. 12(HIERARCHY 3)

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/back.jpg
33	Q-Q1Q-3	URI://cserver/ch01/ev03/03/back.jpg

## FIG. 22

DATA BROADCASTING SCHEDULE INFORMATION MAP  
 CORRESPONDING TO Fig. 13 (HIERARCHY 3)

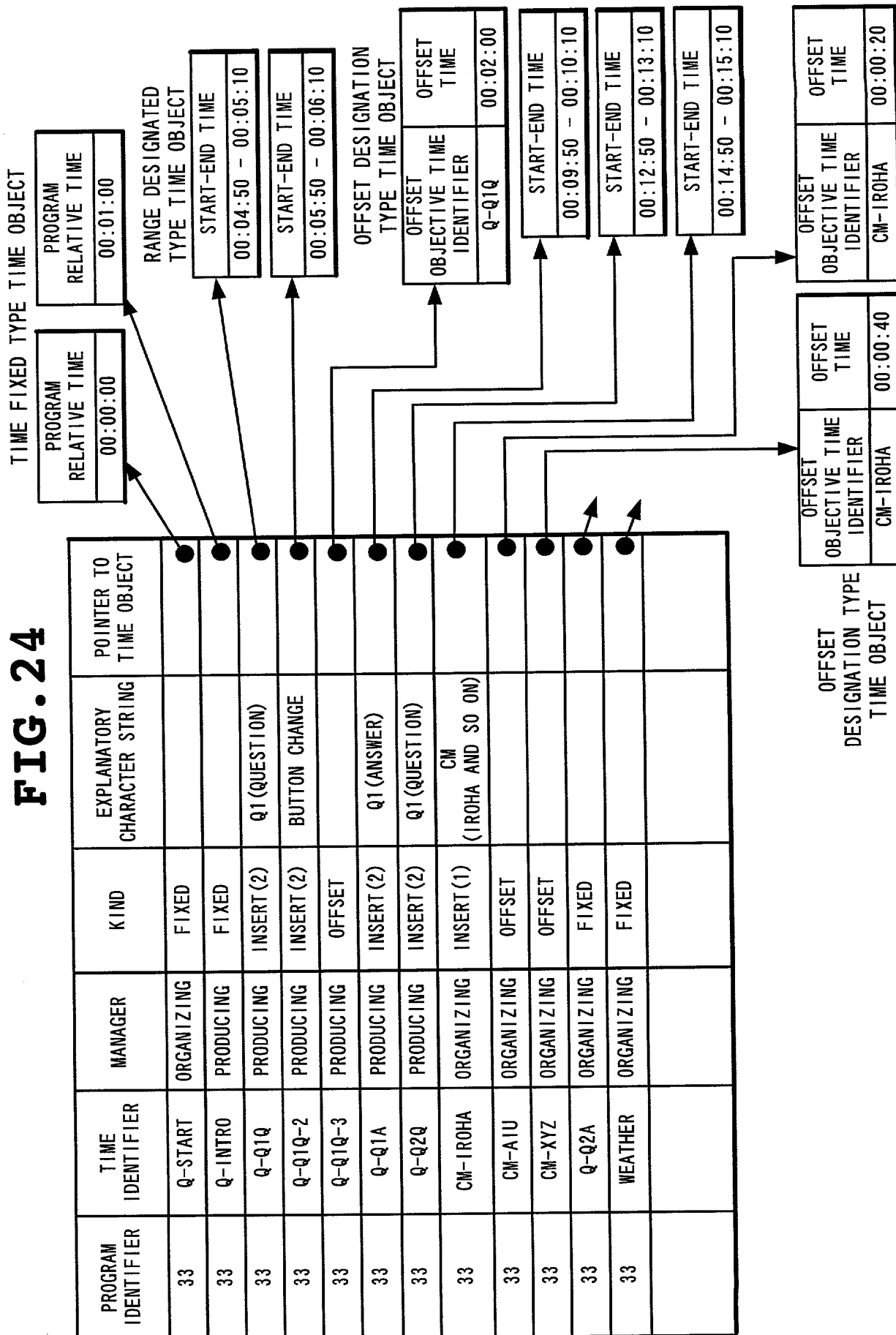
PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/button.jpg
33	Q-Q1Q-2	URI://cserver/ch01/ev03/03/button.jpg

## FIG. 23

DATA BROADCASTING SCHEDULE INFORMATION MAP  
 CORRESPONDING TO Fig. 14 (HIERARCHY 3)

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/button2.jpg
33	Q-Q1Q-3	URI://cserver/ch01/ev03/03/button2.jpg

FIG. 24



**FIG. 25**

Q-START
Q-INTRO
Q-Q1Q
Q-Q1Q-2
Q-Q1Q-3
Q-Q1A
Q-Q2Q
CM-IROHA
CM-AIU
CM-XYZ
Q-Q2A
. . .
WEATHER

P. 040405/0336

## FIG. 26

UNITARY BROADCASTING SCHEDULE INFORMATION MAP GENERATED FOR BROADCASTING PREPARATORY PROCESS BY BROADCASTING UNIT IN FIRST EMBODIMENT OF THE PRESENT INVENTION

TIME IDENTIFIER	IDENTIFICATION NUMBER	KIND	TITLE	COMPOSITE FILE NAME	PRODUCING IDENTIFICATION NUMBER	CONSTITUENT FILE	FILE POSITION
Q-START	0100-0001	PROGRAM	QUIZ ABC	opening	0300-0001	startup.html open.jpg title.txt	. . .
Q-INTRO	0100-0001	PROGRAM	QUIZ ABC	introduction	0300-0002	startup.html intro.wav name.txt	. . .
Q-Q1Q	0100-0001	PROGRAM	QUIZ ABC	Q1-question	0300-0003	startup.html back.jpg button.jpg button2.jpg	URI://cserver/ch01/cv03/01/startup.html URI://cserver/ch01/ev03/01/back.jpg URI://cserver/ch01/ev03/01/button.jpg URI://cserver/ch01/ev03/01/button2.jpg
Q-Q1Q-2	0100-0001	PROGRAM	QUIZ ABC	Q1-question	0300-0003	startup.html back.jpg button.jpg button2.jpg	URI://cserver/ch01/cv03/01/startup.html URI://cserver/ch01/ev03/01/back.jpg URI://cserver/ch01/ev03/02/button.jpg URI://cserver/ch01/ev03/01/button2.jpg
Q-Q1Q-3	0100-0001	PROGRAM	QUIZ ABC	Q1-question	0300-0003	startup.html back.jpg button.jpg button2.jpg	URI://cserver/ch01/cv03/01/startup.html URI://cserver/ch01/ev03/02/button.jpg URI://cserver/ch01/ev03/02/button.jpg URI://cserver/ch01/ev03/03/button2.jpg
Q-Q1A	0100-0001	PROGRAM	QUIZ ABC	Q1-answer	0300-0004	....	....
Q-Q2Q	0100-0001	PROGRAM	QUIZ ABC	Q2-question	0300-0005	....	....
CM-IROHA	0200-0323	CM	IROHA COSMETICS	CM-iroha	0123-0001	....	....
CM-AIU	0200-0324	CM	AIU MOTORS	CM-aiu	0123-0002	....	....
CM-XYZ	0200-0325	CM	XYZ FOODS	CM-xyz	0123-0003	....	....
CM-Q2A	0100-0002	PROGRAM	QUIZ ABC-2	....	....	....	....
....	....	....	....	....	....	....	....
WEATHER	0100-0024	PROGRAM	WEATHER REPORT	....	0300-0200	....	....

FIG. 27

TIME FIXED TYPE

TIME IDENTIFIER	MANAGER	KIND	EXPLANATORY CHARACTER STRING	RELATIVE TIME
Q-START	ORGANIZING	FIXED		00:00:00
Q-INTRO	PRODUCING	FIXED		00:01:00
Q-Q2A	ORGANIZING	FIXED		00:16:00
WEATHER	ORGANIZING	FIXED		00:55:00
:	:	:		:

FIG. 28

OFFSET DESIGNATION TYPE

TIME IDENTIFIER	MANAGER	KIND	EXPLANATORY CHARACTER STRING	OBJECT	OFFSET VALUE
Q-Q1Q-3	PRODUCING	OFFSET		Q-Q1Q	00:02:00
CM-AIU	PRODUCING	OFFSET		CM-IR0HA	00:00:20
CM-XYZ	PRODUCING	OFFSET		CM-IR0HA	00:00:40

**FIG. 29**

RANGE DESIGNATION TYPE (TRIGGER INPUT DEVICE 151)

TIME IDENTIFIER	MANAGER	KIND	EXPLANATORY CHARACTER STRING	INSERT TIME RANGE
CM-IROHA	ORGANIZING	INSERT (1)	CM (IROHA AND SO ON)	00:14:50 - 00:15:10

**FIG. 30**

RANGE DESIGNATION TYPE (TRIGGER INPUT DEVICE 152)

TIME IDENTIFIER	MANAGER	KIND	EXPLANATORY CHARACTER STRING	INSERT TIME RANGE
Q-Q1Q	PRODUCING	INSERT (2)	Q1 (QUESTION)	00:04:50 - 00:05:10
Q-Q1Q-2	PRODUCING	INSERT (2)	BUTTON CHANGE	00:05:50 - 00:06:10
Q-Q1A	PRODUCING	INSERT (2)	Q1 (ANSWER)	00:09:50 - 00:10:10
Q-Q2Q	PRODUCING	INSERT (2)	Q2 (QUESTION)	00:12:50 - 00:13:10

**FIG. 31**

PROGRAM IDENTIFIER <input type="text" value="3"/>			CURRENT TIME <input type="text" value="00:01:34"/>
BROADCASTING TIME RANGE	EXPLANATION		
00:14:50 - 00:15:10	CM(IROHA AND SO ON)	<input type="text" value="BROADCASTING"/>	
00:00:00 - 01:00:00	CM(EMERGENCY)	<input type="text" value="BROADCASTING"/>	
00:00:00 - 01:00:00	CM(EMERGENCY 2)	<input type="text" value="BROADCASTING"/>	

FIG. 31

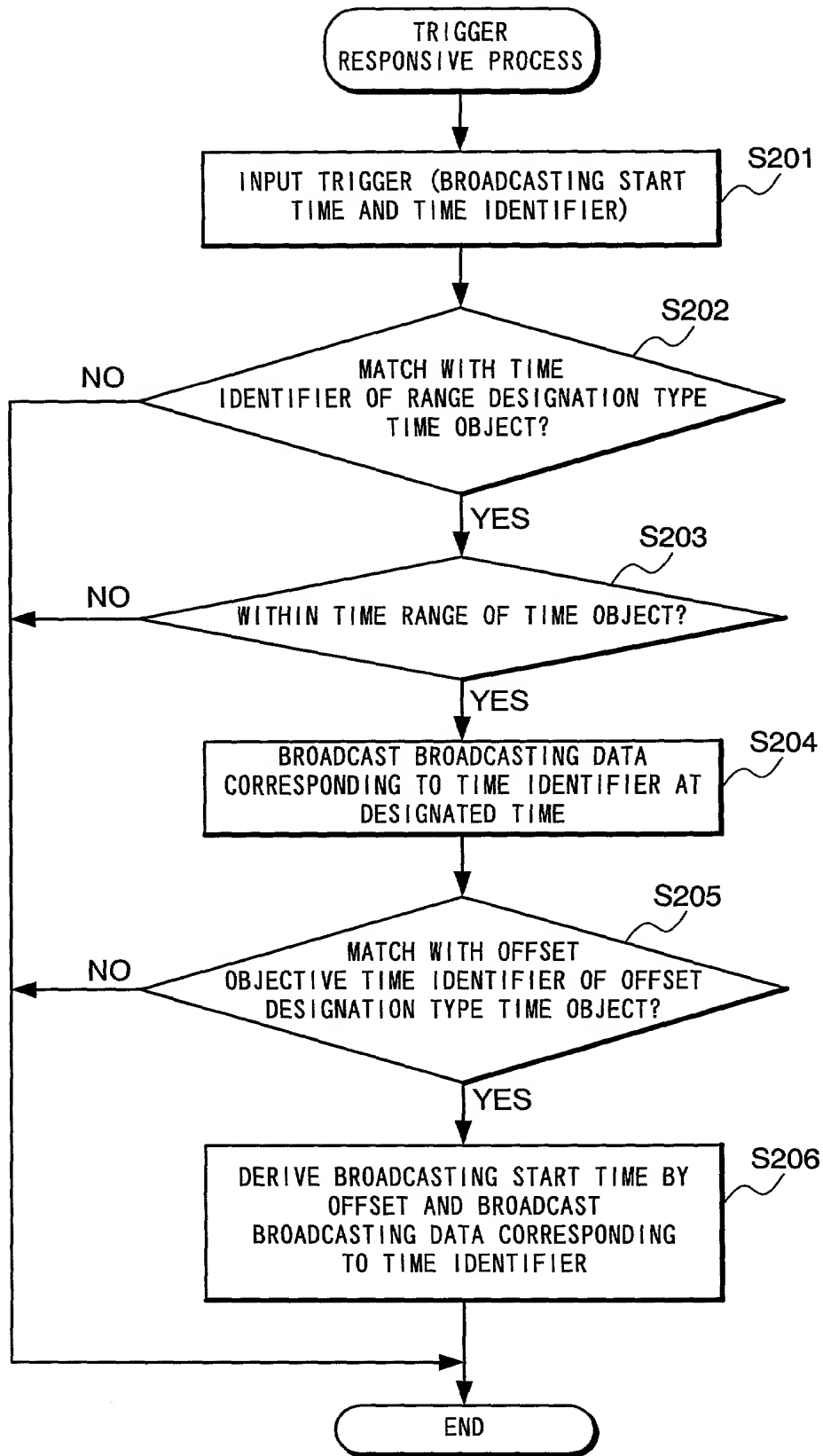
**FIG. 32**

FIG. 33

BROADCASTING START TIMING	CONTINUING TIME	IDENTIFICATION NUMBER	KIND	UNTIME	TITLE	EXPLANATORY CHARACTER STRING
00/01/22 07:00:00	00:15:00	0100-0001	PROGRAM	FIXED	QUIZ ABC	NO
00/01/22 07:15:00	00:00:20	0200-0323	CM	INSERT(1)	IROHA COSMETICS	CM (IROHA AND SO ON)
00/01/22 07:15:20	00:00:20	0200-0324	CM	OFFSET	AIU MOTORS	NO
00/01/22 07:15:40	00:00:20	0200-0325	CM	OFFSET	XYZ FOODS	NO
00/01/22 07:16:00	00:39:00	0100-0002	PROGRAM	FIXED	QUIZ ABC-2	NO
00/01/22 07:55:00	00:05:00	0100-0024	PROGRAM	FIXED	WEATHER REPORT	NO
NOT DETERMINED	00:00:30	0200-0400	CM	INSERT(1)	BB BROADCASTING STATION	CM(EMERGENCY)
NOT DETERMINED	00:00:30	0200-0500	CM	INSERT(1)	EMERGENCY CM	CM(EMERGENCY 2)

FIG. 34

COMPOSITE MEDIA FILE MODIFICATION SCHEDULE INFORMATION MAP  
CORRESPONDING TO FRAME OF "BB BROADCASTING STATION"

BROADCASTING START TIMING	CONTINUING TIME	PRODUCING IDENTIFICATION NUMBER	UNTIME	COMPOSITE FILE NAME	EXPLANATORY CHARACTER STRING	CONSTITUENT FILE LIST
00:00:00	00:00:30	0300-1000	FIXED	bb-cm		startup.html , back.jpg , intro.wav

## FIG. 35

FILE UPDATING SCHEDULE INFORMATION MAP  
 OF startup.html OF bb-cm

BROADCASTING START TIME	UNTIME	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	URI://cserver/ch01/ev03/10/startup.html

## FIG. 36

FILE UPDATING SCHEDULE INFORMATION MAP  
 OF back.jpg OF bbb-cm

BROADCASTING START TIME	UNTIME	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	URI://cserver/ch01/ev02/10/back.jpg

## FIG. 37

FILE UPDATING SCHEDULE INFORMATION MAP  
 OF intro.wav OF bbb-cm

BROADCASTING START TIME	UNTIME	DATA POSITION IN PRODUCED CONTENTS SERVER
00:00:00	FIXED	URI://cserver/ch01/ev02/10/intro.wav
00:00:05	FIXED	URI://cserver/ch01/ev02/11/intro.wav

**FIG. 38**

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 1) CORRESPONDING TO Fig. 33

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	CONTINUING TIME	IDENTIFICATION NUMBER	KIND	TITLE	POINTER TO LOWER SCHEDULE INFORMATION MAP
33	Q-START	00:15:00	0100-0001	PROGRAM	QUIZ ABC	●
33	CM-IROHA	00:00:20	0200-0323	CM	IROHA COSMETICS	●
33	CM-AIU	00:00:20	0200-0324	CM	AIU MOTORS	●
33	CM-XYZ	00:00:20	0200-0325	CM	XYZ FOODS	●
33	Q-Q2A	00:39:00	0100-0002	PROGRAM	QUIZ ABC-2	●
33	WEATHER	00:55:00	0100-0024	PROGRAM	WEATHER REPORT	●
33	CM-BB	00:00:30	0200-0400	CM	BB BROADCASTING STATION	●
33	CM-GOV	00:00:30	0200-0500	CM	CC BROADCASTING STATION CM	●

MAP OF FIG. 39

FIG. 39

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 2)  
CORRESPONDING TO FIG. 34

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	PRODUCING IDENTIFICATION NUMBER	COMPOSITE FILE NAME	CONSTITUENT FILE NAME LIST	POINT TO LOWER SCHEDULE INFORMATION MAP
33	CM-BB	0300-1000	bb-cm	startup.html	● MAP OF FIG. 40
				back.jpg	● MAP OF FIG. 41
				intro.wav	● MAP OF FIG. 42

## FIG. 40

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 3)  
 CORRESPONDING TO Fig. 35

PROGRAM IDENTIFIER	RELATIVE TIME	DATA POSITION IN PRODUCED CONTENTS SERVER
33	CM-BB	URI://cserver/ch01/ev02/10/startup.html

## FIG. 41

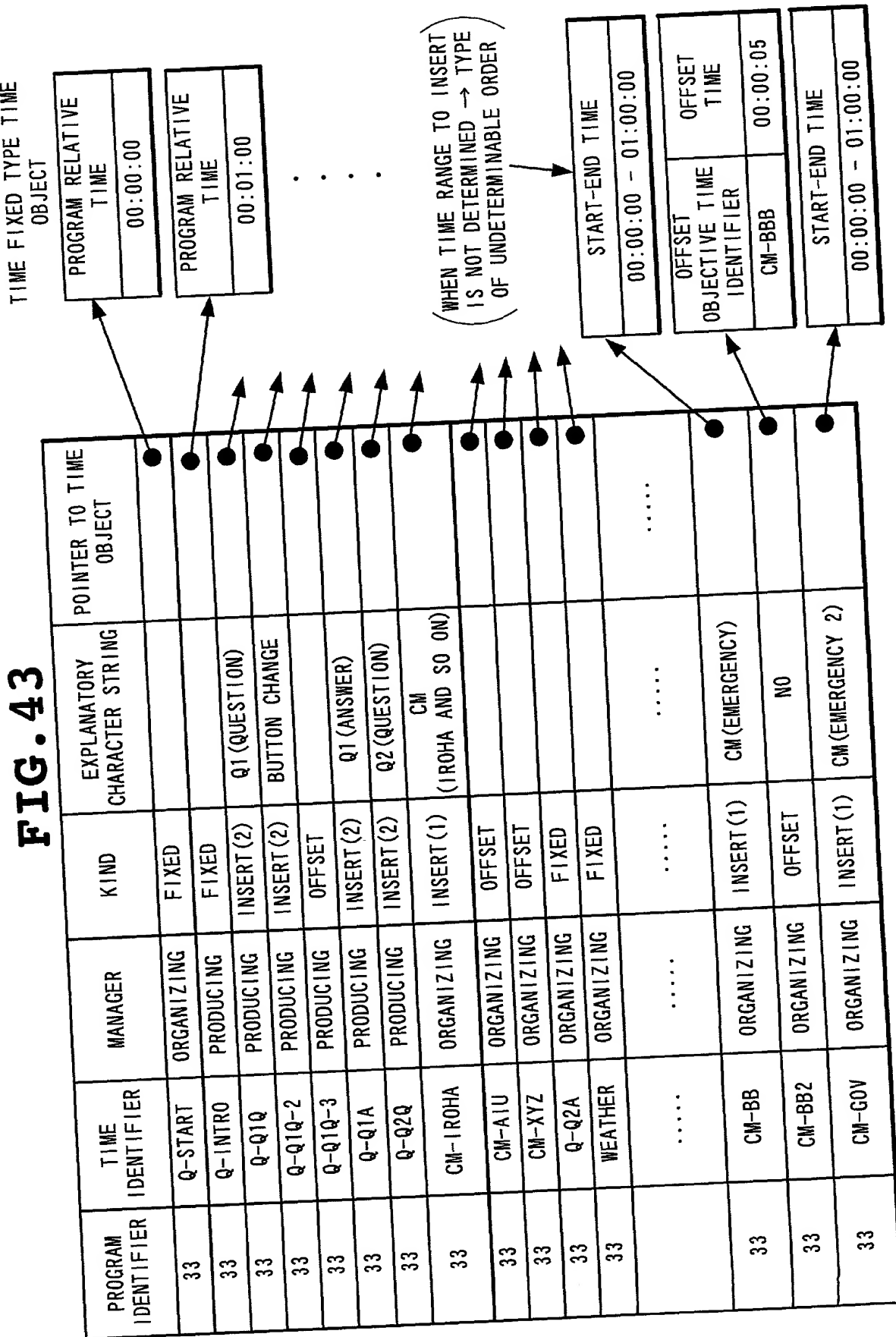
DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 3)  
 CORRESPONDING TO Fig. 36

PROGRAM IDENTIFIER	BROADCASTING START TIME	DATA POSITION IN PRODUCED CONTENTS SERVER
33	CM-BB	URI://cserver/ch01/ev02/10/back.jpg

## FIG. 42

DATA BROADCASTING SCHEDULE INFORMATION MAP (HIERARCHY 3)  
 CORRESPONDING TO Fig. 37

PROGRAM IDENTIFIER	BROADCASTING START TIME	DATA POSITION IN PRODUCED CONTENTS SERVER
33	CM-BB	URI://cserver/ch01/ev02/10/intro.wav
33	CM-BB2	URI://cserver/ch01/ev02/11/intro.wav



## FIG. 44

### ORDER INFORMATION OF TIME IDENTIFIER OF KNOWN ORDER

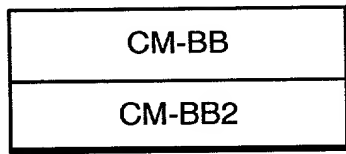
ORDER IS DERIVED FROM  
PROGRAM RELATIVE TIME AND  
BROADCASTING TIME RANGE

Q-START
Q-INTRO
Q-Q1Q
Q-Q1Q-2
Q-Q1Q-3
Q-Q1A
Q-Q2Q
CM-IROHA
CM-AIU
CM-XYZ
Q-Q2A
.
.
.
WEATHER

BASE DATA OF UNITARY  
BROADCASTING SCHEDULE  
INFORMATION MAP OF Fig. 47

**FIG. 45**

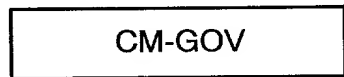
ORDER INFORMATION OF TIME  
IDENTIFIER OF NOT KNOWN ORDER



TIME IDENTIFIER OF NOT KNOWN  
ORDER IS OBTAINED INDEPENDENTLY,  
IF RELATED OFFSET TYPE  
TIME OBJECT IS PRESENT,  
IT CAN BE OBTAINED AS  
A SET WITH TIME IDENTIFIER

**FIG. 46**

ORDER INFORMATION OF TIME  
IDENTIFIER OF NOT KNOWN ORDER



TIME IDENTIFIER OF NOT KNOWN  
ORDER IS OBTAINED INDEPENDENTLY,  
IF RELATED OFFSET TYPE  
TIME OBJECT IS PRESENT,  
IT CAN BE OBTAINED AS  
A SET WITH TIME IDENTIFIER

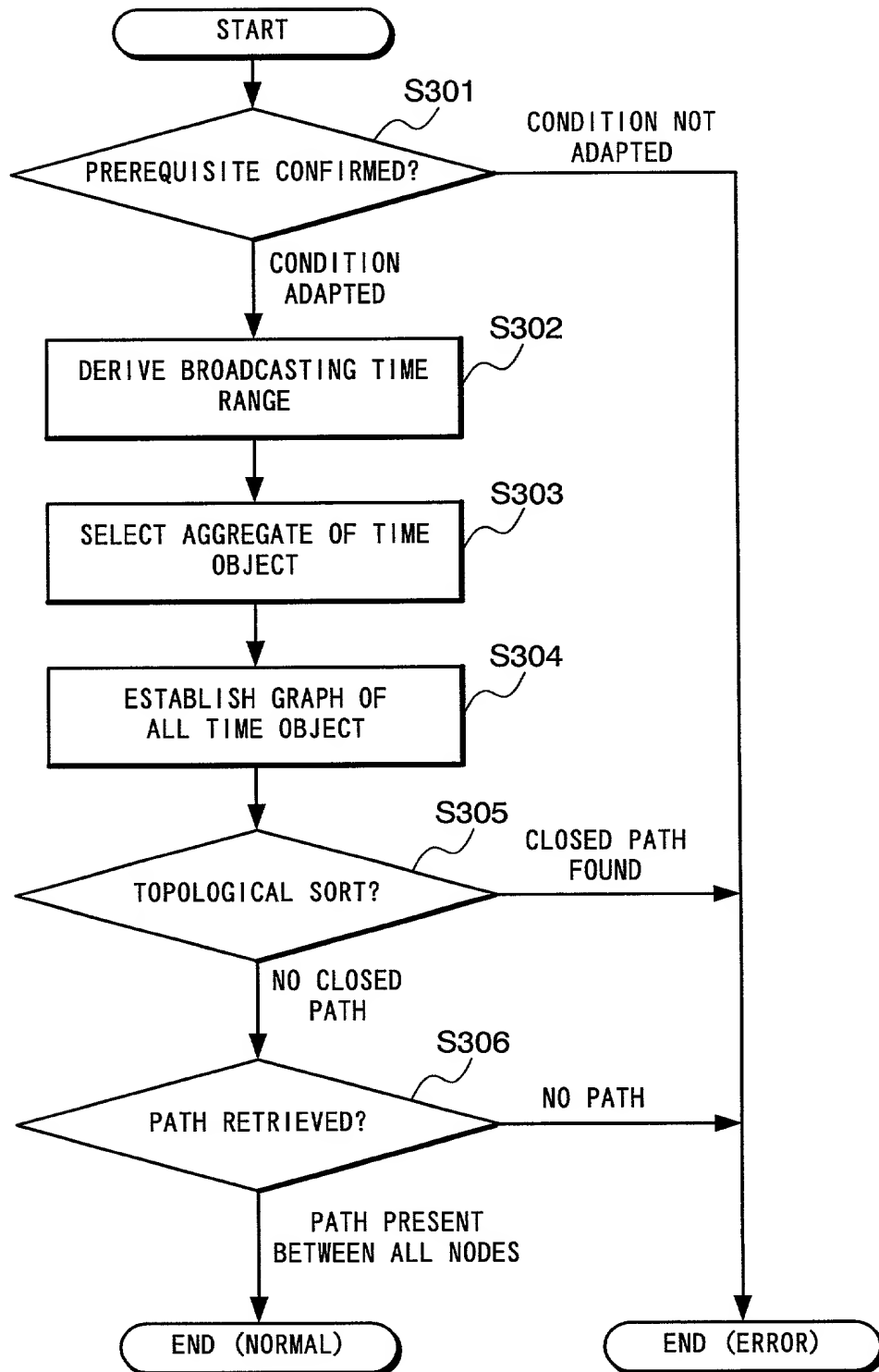
FIG. 47

TIME IDENTIFIER	IDENTIFICATION NUMBER	KIND	TITLE	COMPOSITE FILE NAME	PRODUCING IDENTIFICATION NUMBER	CONSTITUENT FILE	FILE POSITION
Q-START	0100-0001	PROGRAM	QUIZ ABC	opening	0300-0001	...	...
Q-INTRO	0100-0001	PROGRAM	QUIZ ABC	introduction	0300-0002	...	...
Q-Q1Q	0100-0001	PROGRAM	QUIZ ABC	Q1-question	0300-0003	startup.html back.jpg button.jpg button2.jpg	URI://cserver/ch01/cv03/01/startup.html URI://cserver/ch01/ev03/01/back.jpg URI://cserver/ch01/ev03/01/button.jpg URI://cserver/ch01/ev03/01/button2.jpg
Q-Q1Q-2	0100-0001	PROGRAM	QUIZ ABC	Q1-question	0300-0003	startup.html back.jpg button.jpg button2.jpg	URI://cserver/ch01/cv03/01/startup.html URI://cserver/ch01/ev03/01/back.jpg URI://cserver/ch01/ev03/02/button.jpg URI://cserver/ch01/ev03/01/button2.jpg
Q-Q1Q-3	0100-0001	PROGRAM	QUIZ ABC	Q1-answer	0300-0003	startup.html back.jpg button.jpg button2.jpg	URI://cserver/ch01/cv03/01/startup.html URI://cserver/ch01/ev03/02/back.jpg URI://cserver/ch01/ev03/02/button.jpg URI://cserver/ch01/ev03/03/button2.jpg
Q-Q1A	0100-0001	PROGRAM	QUIZ ABC	Q1-answer	0300-0004	...	...
Q-Q2Q	0100-0001	PROGRAM	QUIZ ABC	Q2-question	0300-0005	...	...
...	...	...	...	...	...	...	...
CM-BB	0200-0400	CM	BROADCASTING STATION	bbb-cm	0300-1000	startup.html back.jpg intro.wav	URI://cserver/ch01/cv03/10/startup.html URI://cserver/ch01/ev03/10/back.jpg URI://cserver/ch01/ev03/10/intro.wav
CM-BB2	0200-0400	CM	BROADCASTING STATION	bbb-cm	0300-1000	startup.html back.jpg intro.wav	URI://cserver/ch01/cv03/10/startup.html URI://cserver/ch01/ev03/10/back.jpg URI://cserver/ch01/ev03/11/intro.wav
CM-GOV	0200-0500	CM	EMERGENCY CM	gov-cm	0300-1100	...	...

## FIG. 48

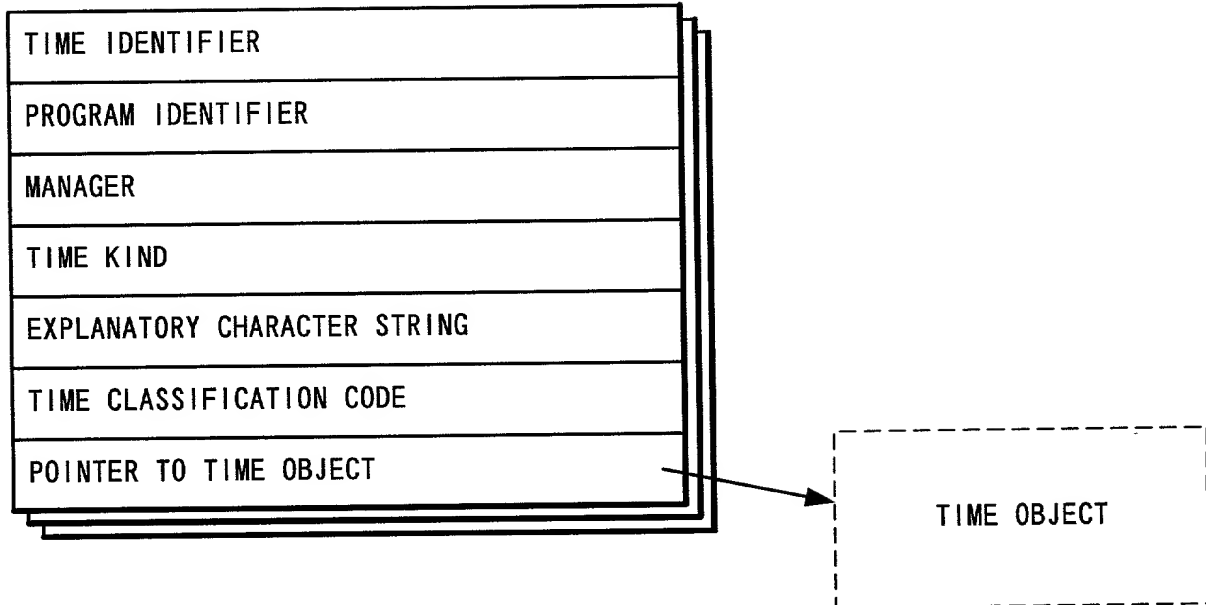
ASSOCIATION TYPE TIME OBJECT

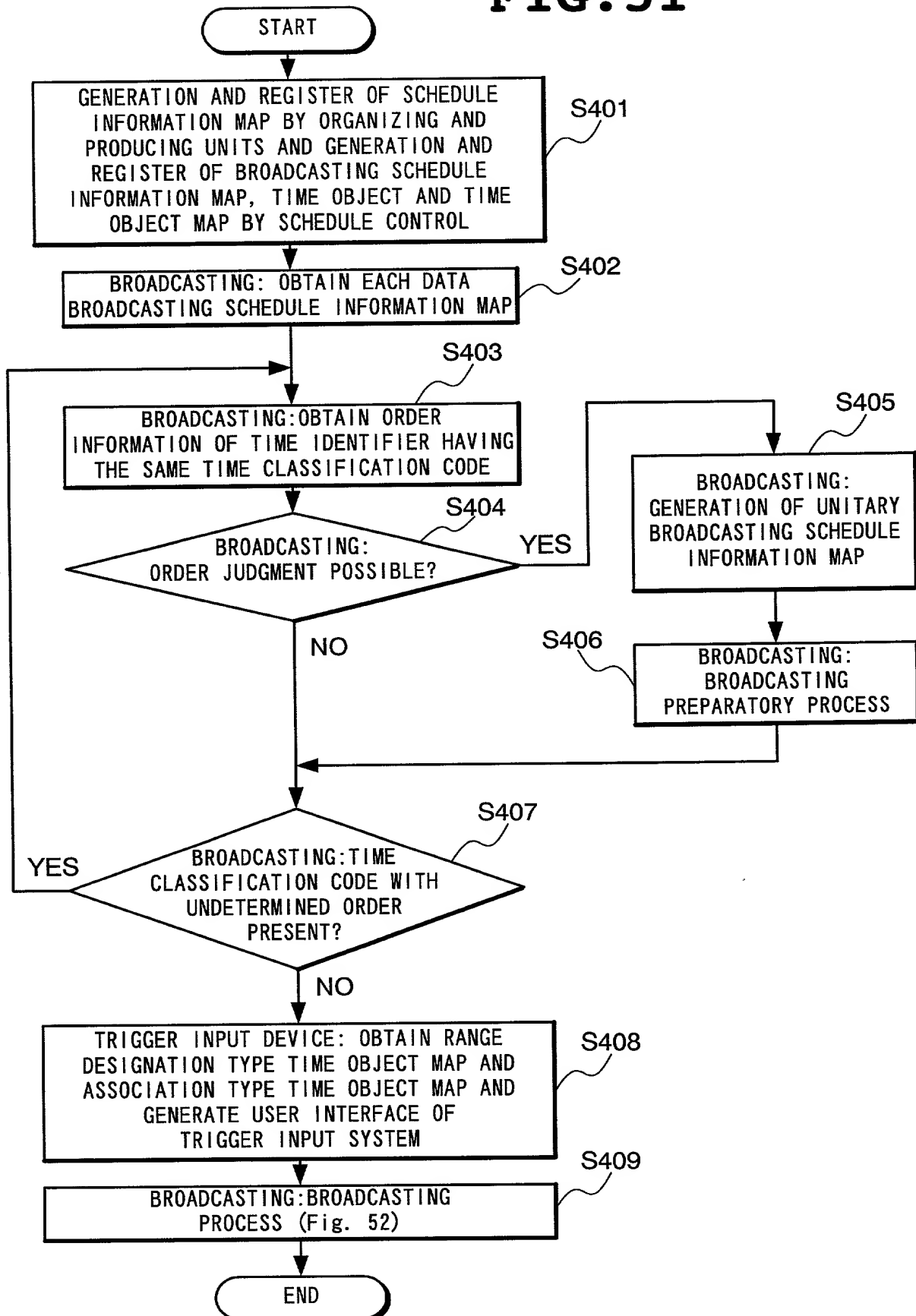
ASSOCIATION OBJECTIVE TIME IDENTIFIER
ASSOCIATION RELATIVE TIME
END TIME OR TIME IDENTIFIER

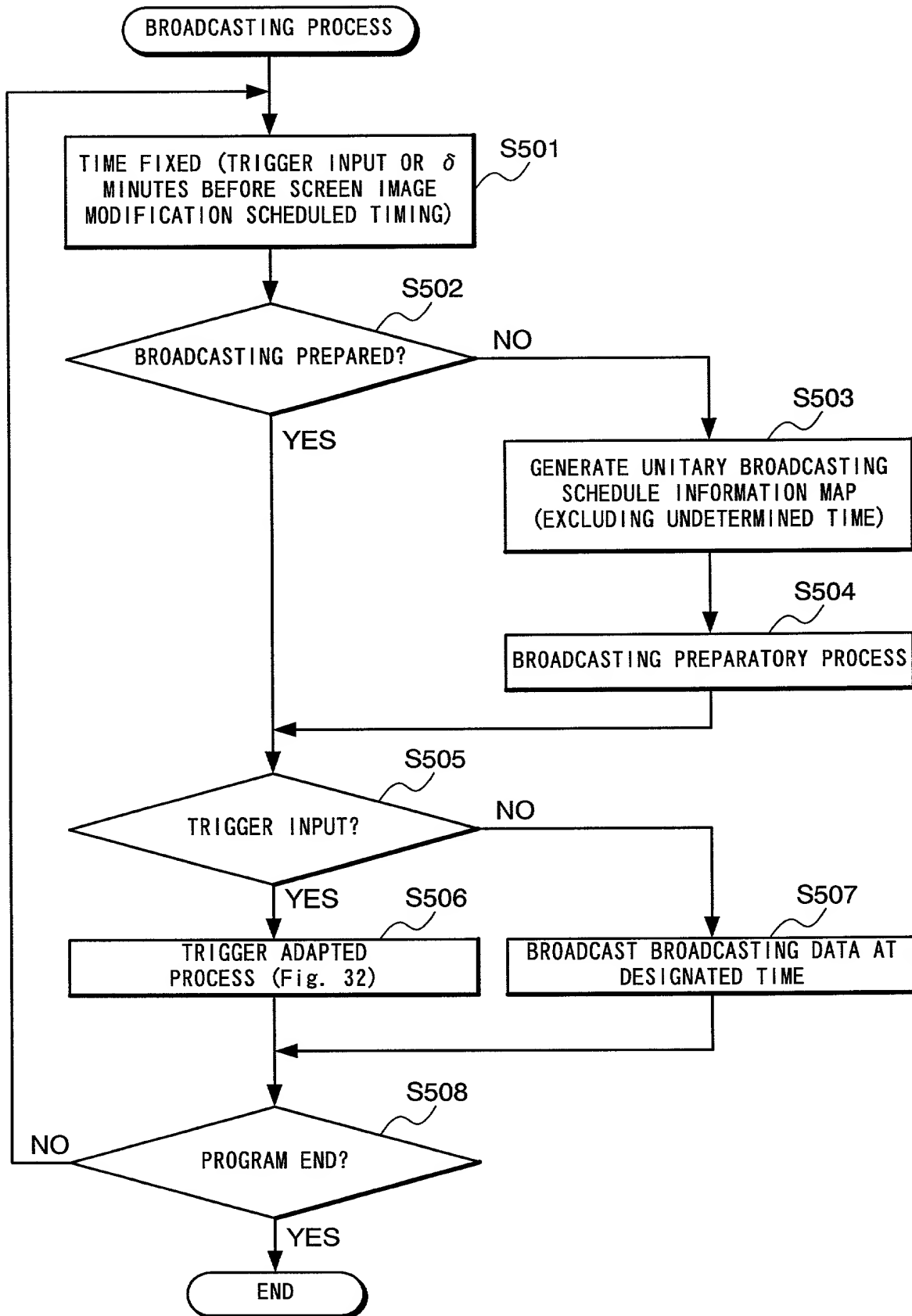
**FIG. 49**

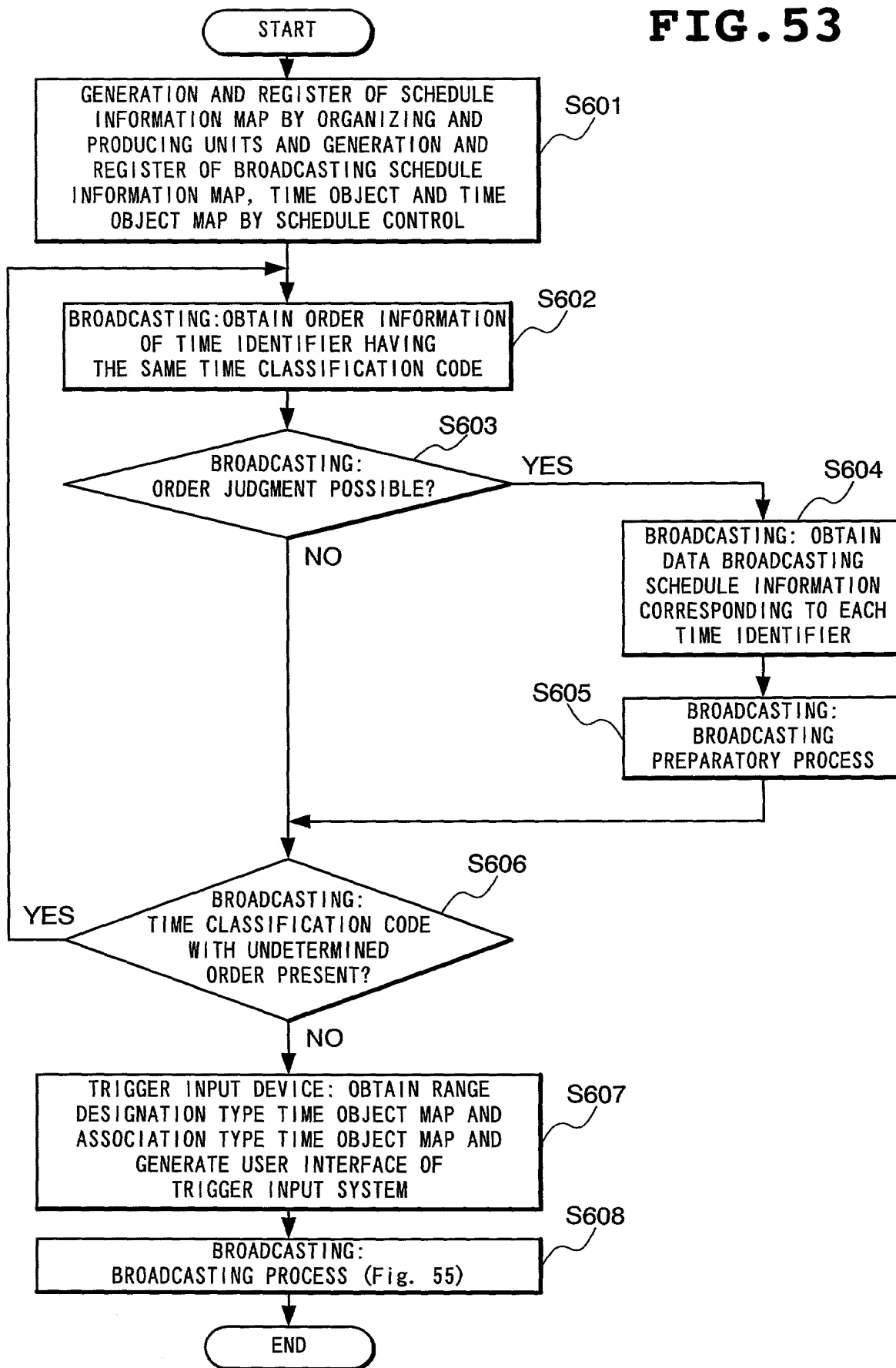
## FIG. 50

EACH ENTRY OF TIME OBJECT MAP



**FIG. 51**

**FIG. 52**

**FIG. 53**

**FIG. 54**

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	CONTINUING TIME	IDENTIFICATION NUMBER	KIND	TITLE
33	Q-START	00:15:00	0100-0001	PROGRAM	QUIZ ABC

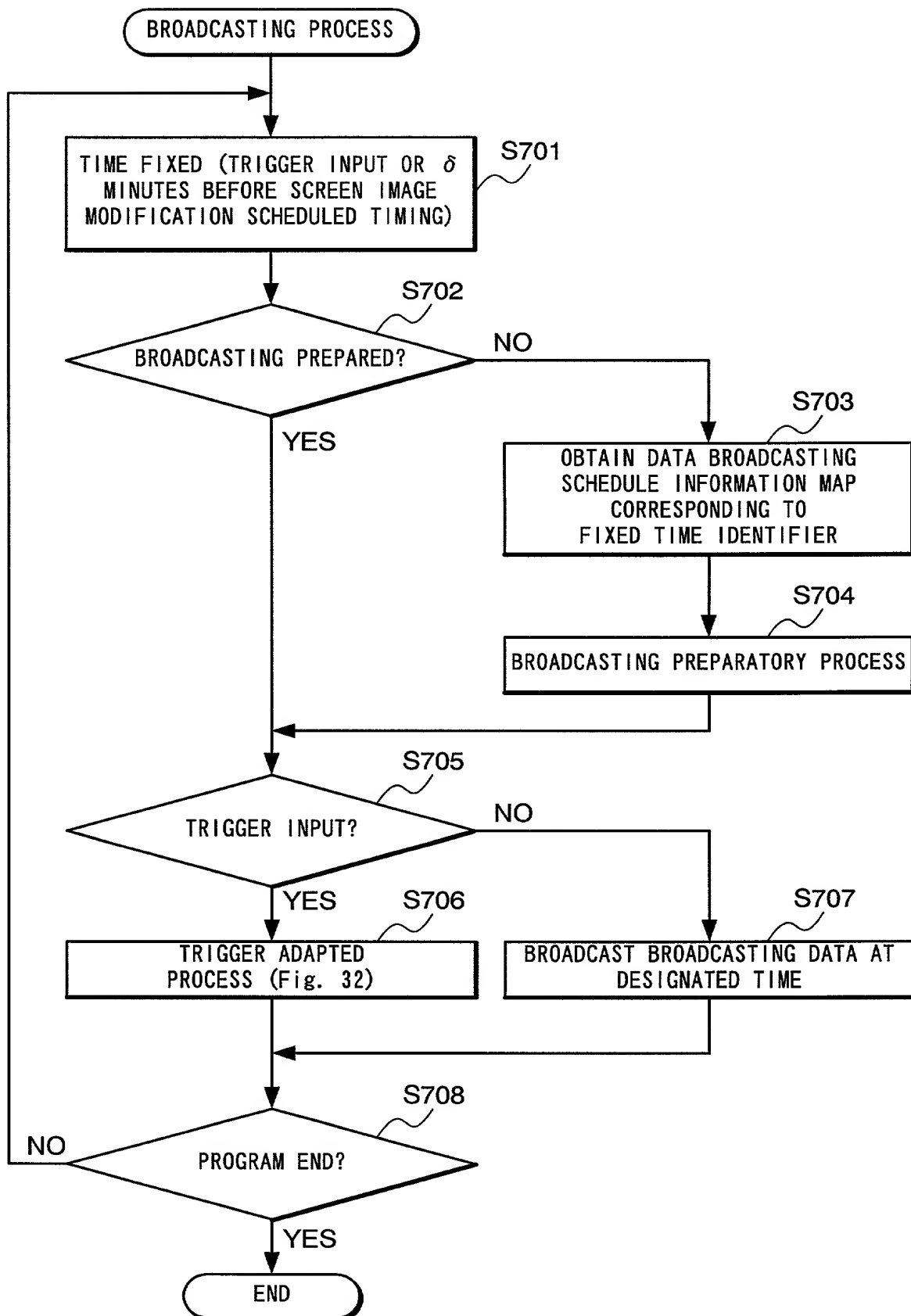
PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	PRODUCING IDENTIFICATION NUMBER	COMPOSITE FILE NAME	CONSTITUENT FILE NAME LIST
33	Q-Q1Q	0300-0003	Q1-question	startup.html
				back.jpg
				button.jpg
				button2.jpg

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/startup.html

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/back.jpg

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q-2	URI://cserver/ch01/ev03/03/button.jpg

PROGRAM IDENTIFIER	BROADCASTING START TIMING (TIME IDENTIFIER)	DATA POSITION IN PRODUCED CONTENTS SERVER
33	Q-Q1Q	URI://cserver/ch01/ev03/01/button2.jpg

**FIG. 55**

**FIG. 56**